vtech®

Safe & Sound®

**User's manual**

# Full Colour Video and Audio Baby Monitor

Scan here for product information

**Model:**
**BM3000/**
**BM3000 Twin**

http://hkphones.vtech.com

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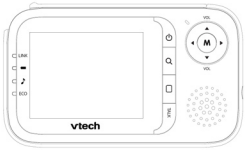
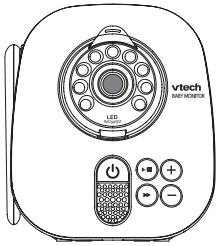
# Product introduction

BM3000 is a video and audio monitor which consists of one parent unit (**BM3000 PU**) and one baby unit (**BM3000 BU**).

BM3000 twin is a video and audio monitor which consists of one parent unit (**BM3000 twin PU**) and two baby units (**BM3000 twin BU**).




The parent unit may be shipped with a protective sticker covering the display. Remove the protective sticker before use.

# 1. IMPORTANT SAFETY INSTRUCTIONS

When using your equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury, including the following:

1. Follow all warnings and instructions marked on the product.
2. Adult setup is required.
3. This product is intended as an aid. It is not a substitute for responsible and proper adult supervision and should not be used as such.
4. This product is not intended for use as a medical monitor.
5. Do not use this product near water. For example, do not use it next to a bath tub, wash bowl, kitchen sink, laundry tub or swimming pool, or in a wet basement or shower.
6. CAUTION: Use only the batteries indicated in this manual. There may be a risk of explosion if a wrong type of battery is used for the parent unit. Use only the supplied rechargeable battery.
7. Use only the adapters included with this product. Incorrect adapter polarity or voltage can seriously damage the product.
   Baby unit power adapter: Input 100-240V AC 50/60 Hz; output: 6V DC 450 mA; Parent unit power adapter: Input 100-240V AC 50/60 Hz; output: 6V DC 450 mA.
8. The power adapters are intended to be correctly oriented in a vertical or floor mount position. The prongs are not designed to hold the plug in place if it is plugged into a ceiling, under-the-table or cabinet outlet.
9. Unplug this product from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
10. Unplug the power cords before replacing batteries.
11. Do not cut off the power adapters to replace them with other plugs, as this causes a hazardous situation.
12. Do not allow anything to rest on the power cords. Do not install this product where the cords may be walked on or crimped.
13. This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply in your home, consult your dealer or local power company.
14. Do not overload wall outlets or use an extension cord.

15. Do not place this product on an unstable table, shelf, stand or other unstable surfaces.
16. This product should not be placed in any area where proper ventilation is not provided. Slots and openings in the back or bottom of this product are provided for ventilation. To protect them from overheating, these openings must not be blocked by placing the product on a soft surface such as a bed, sofa or rug. This product should never be placed near or over a radiator or heat register.
17. Never push objects of any kind into this product through the slots because they may touch dangerous voltage points or create a short circuit. Never spill liquid of any kind on the product.
18. To reduce the risk of electric shock, do not disassemble this product, but take it to an authorized service facility. Opening or removing parts of the product other than specified access doors may expose you to dangerous voltages or other risks. Incorrect reassembling can cause electric shock when the product is subsequently used.
19. You should test the sound reception every time you turn on the units or move one of the components.
20. Periodically examine all components for damage.
21. Be aware of possible loss of privacy while using public airwaves. Conversations may be picked up by other nursery monitors, cordless phones, scanners, etc.
22. Children should be supervised to ensure that they do not play with the product.
23. The product is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

**SAVE THESE INSTRUCTIONS**

## Cautions

1. Use and store the product at a temperature between 10°C and 39°C.
2. Do not expose the product to extreme cold, heat or direct sunlight. Do not put the product close to a heating source.
3. Batteries should not be exposed to excessive heat such as bright sunshine or fire.
4. Make sure the baby unit(s) and the adapter cord(s) are always out of reach of the baby, at least 1 metre away from the baby or crib, to avoid a possible strangulation hazard.
5. Never place the baby unit(s) inside the baby's crib or playpen.
6. Never cover the baby unit(s) or parent unit with anything such as a towel or a blanket.
7. Other electronic products may cause interference with your audio monitor. Try installing your audio monitor as far away from these electronic devices as possible: wireless routers, radios, cellular telephones, intercoms, room monitors, televisions, personal computers, kitchen appliances and cordless telephones.

## DISPOSAL WARNING

1. When this crossed-out wheeled bin symbol is attached to a product, it means the product is covered by the European Directive 2002/96/EC.
2. All electrical and electronic products/battery should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
3. The correct disposal of your old appliance/battery will help prevent potential negative consequences for the environment and human health.

For more detailed information about disposal of your old appliance/ battery, please contact your city office, waste disposal service or The Shop where you purchased the product.

If you have questions about this product, or having difficulty with setup or operation, call our Customer Service Centre.

Customer Service Hotline: (852) 2666 5558

Technical Inquiry Hotline: (852) 2667 7433

# 2. SET UP THE BABY MONITOR

## 2.1 Package Contents

The package contains the following items:

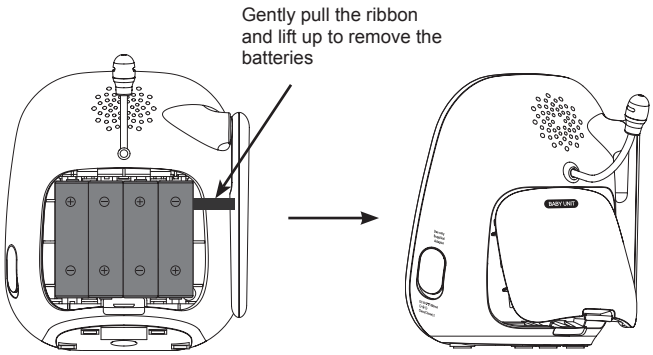
- 1 Parent unit (BM3000 PU / BM3000 twin PU)
- Baby unit (1 for BM3000, 2 for BM3000 twin)
- 1 Parent unit battery compartment cover
- 1 Battery for parent unit
- Baby unit battery compartment cover (1 for BM3000, 2 for BM3000 twin)
- Baby unit power adapter (1 for BM3000, 2 for BM3000 twin)
- 1 Parent unit power adapter
- Screws (2 for BM3000, 4 for BM3000 twin)
- Wall anchors (2 for BM3000, 4 for BM3000 twin)
- Wall mount (1 for BM3000, 2 for BM3000 twin)
- 1 English user manual
- 1 Chinese user manual

## 2.2 Baby unit battery installation

You can power up the baby unit by connecting it to AC power and installing four AA alkaline batteries. Even if the baby unit is connected to AC power, you must also install four AA alkaline batteries for the baby unit to operate. This can also guarantee continual operation in case of a power outage..

Install four AA alkaline batteries (not supplied) into the battery compartment, matching the polarity markings (**+** and **-**) inside the battery compartment.

Make sure the ribbon attached inside the battery compartment is put under the batteries and the excess ribbon is tucked in properly. Then replace the battery compartment cover.



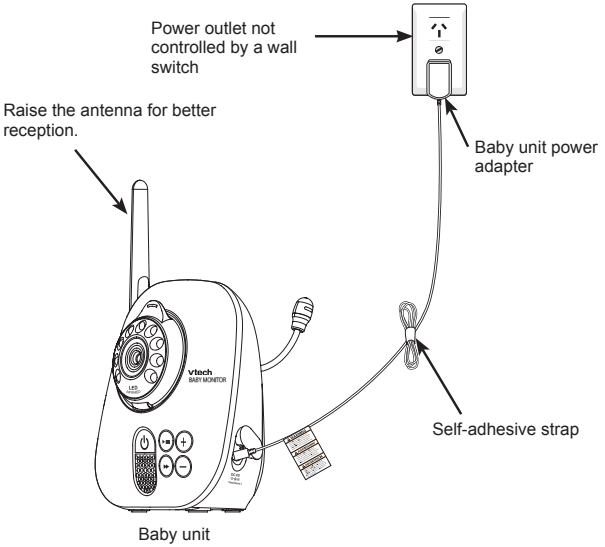

***NOTES***

- Do not mix old and new batteries. Do not mix alkaline and standard (carbon-zinc) batteries.
- The operating time for using AA batteries is short, only for a few hours. If you want to monitor your baby for a long time, we recommend you connect your baby unit to AC power.
- If the baby unit will not be used for a long time, disconnect and remove the battery to prevent possible leakage.
- You can use rechargeable AA batteries for the baby unit, but the baby unit cannot charge rechargeable batteries.

## 2.3 Baby unit installation

Install the baby unit as shown below.

Make sure that the power outlet is not controlled by a wall switch. Bundle the power cord neatly with the self-adhesive strap.


Power outlet not controlled by a wall switch
Raise the antenna for better reception.
Baby unit power adapter
Self-adhesive strap
Baby unit

***NOTES***

- The baby unit power adapters are intended to be correctly oriented in a vertical or floor mount position. The prongs are not designed to hold the plug in place if it is plugged into a ceiling, under-the-table or cabinet outlet.
- Make sure the baby units and the power adapter cords are out of reach of children.

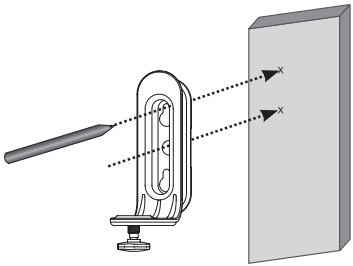
## 2.4 Baby unit installation options

The baby unit is ready for tabletop use. Use the provided wall mount if you want to mount it on a wall. Make sure to test the reception and the baby unit position before completing the wall mounting installation (see **Test your video and audio monitor before use** on 23).

### 2.4.1 Tabletop to wall mount installation

**Option 1:** Use this method to fix the wall mount securely on the wall.

1. Place the wall mount on a wall and then use a pencil to mark the top two holes as shown. Then remove the wall mount and drill two holes in the wall. Check for reception strength and camera angle before drilling the holes.

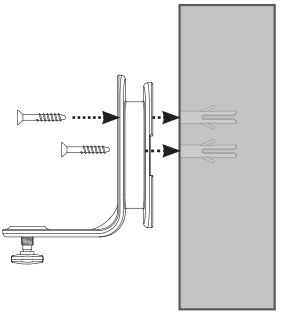


2. If you drill the holes into a stud, go to step 3.

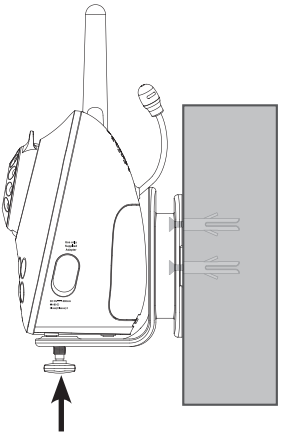
   **-OR-**

   If you drill the holes into an object other than a stud, insert the wall anchors into the holes and tap gently on the ends with a hammer until the wall anchors are flush with the wall.

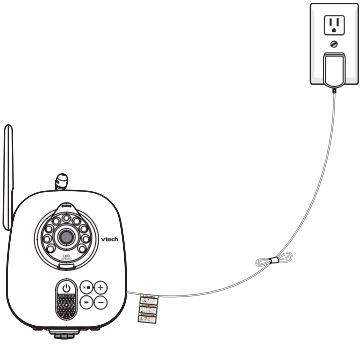
3. Align the wall mount and screws with the holes in the wall as shown. Make sure to attach the screw in the middle hole first so that the wall mount position is fixed. Then attach the other screw in the top hole.



4. Place the baby unit on the wall mount and tighten the screw into the threaded socket at the bottom to secure the baby unit.

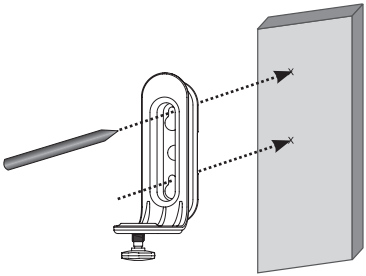


5. Bundle the power cord neatly with the self-adhesive strap. Make sure to keep the power adapter cord away from children's reach.



**Option 2:** Use this method so that you can relocate the baby unit with the wall mount easily.

1. Place the wall mount on a wall and then use a pencil to mark the top and the bottom holes as shown. Then remove the wall mount and drill two holes in the wall. Check for reception strength and camera angle before drilling the holes.

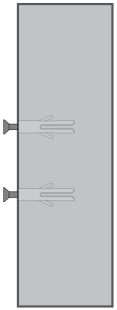


2. If you drill the holes into a stud, go to step 3.

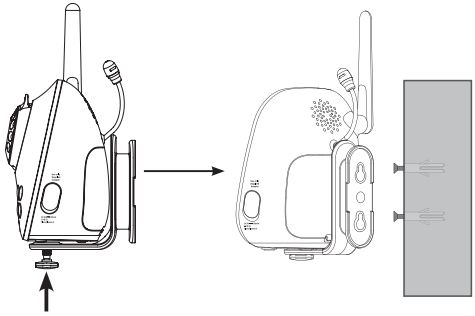
   **-OR-**

   If you drill the holes into an object other than a stud, insert the wall anchors into the holes and tap gently on the ends with a hammer until the wall anchors are flush with the wall.

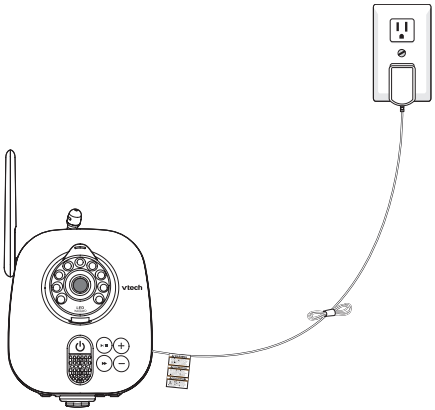
3. Insert the screws into the holes and tighten the screws until only 0.7 cm of the screws are exposed.



4. Place the baby unit on the wall mount and tighten the screw into the threaded socket at the bottom to secure the baby unit. Align the holes on the wall mount with the screws on the wall and slide the wall mount down until it locks into place.



5. Bundle the power cord neatly with the self-adhesive strap. Make sure to keep the power adapter cord away from children's reach.

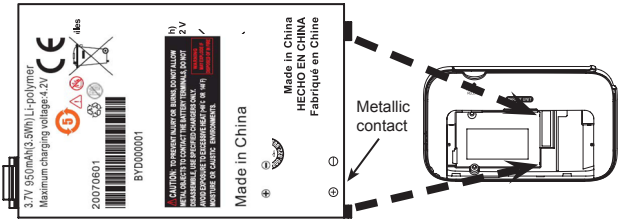


## 2.5 Parent unit battery installation

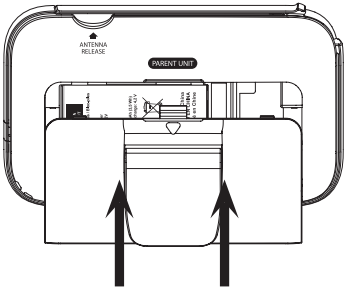
You can power up the parent unit by connecting it to AC power or to the rechargeable battery provided. Even if the parent unit is connected to AC power, we recommend you also install the battery. This guarantees continual operation in case of a power outage.

**Install the battery as shown below.**

1. With the label **THIS SIDE UP** facing up, insert the small tabs of the battery into the slots inside the battery compartment. Make sure the metallic contact is correctly oriented as shown below. Push the battery into the battery compartment until it clicks securely into place.




2. Align the battery compartment cover flat against the battery compartment, then slide it towards the center of the parent unit until it clicks into place.



3. To replace the battery, press down on the large tab of the battery and pull it out of the battery compartment, then follow the steps on 12 to install the battery.

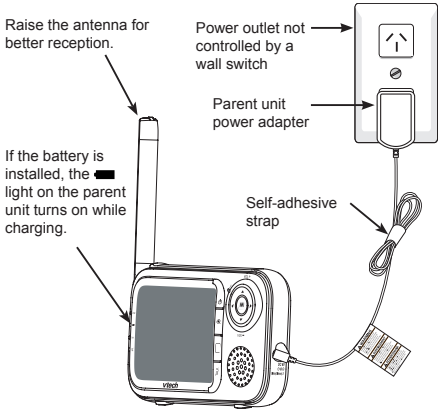
***NOTES***

- The operating time for using the rechargeable battery is short. If you want to monitor your baby for a long time, we recommend you connect the parent unit to AC power.
- If the parent unit will not be used for a long time, disconnect and remove the battery to prevent possible leakage.

## 2.6 Parent unit installation

Install the parent unit as shown below.

Make sure that the power outlet is not controlled by a wall switch. Bundle the adapter cord neatly with the attached self-adhesive strap.


Raise the antenna for better reception.
Power outlet not controlled by a wall switch
Parent unit power adapter
If the battery is installed, the ▬ light on the parent unit turns on while charging.
Self-adhesive strap

Parent unit

***NOTES***

- The parent unit power adapter is intended to be correctly oriented in a vertical or floor mount position. The prongs are not designed to hold the plug in place if it is plugged into a ceiling, under-the-table or cabinet outlet.
- Make sure the parent unit and the power adapter cord are out of reach of children.

## 2.7 Parent unit battery charging

Once you have installed the parent unit (see page14) and its battery (see page 12), press ⏻ **for 2 seconds to turn it on. The battery icon i**ndicates the battery status (see the table below). The parent unit battery is fully charged after 12 hours of continuous charging.

When the parent unit is operating in battery mode and the battery is low, you need to charge the parent unit without interruption for at least 30 minutes to give the parent unit enough charge to use for a short time. When operating in low battery condition, the parent unit displays **Battery low at Parent Unit** and . The  light on the parent unit flashes and the parent unit plays short beeps to alert you.

The following table summarizes the battery charge indicators and actions to take.

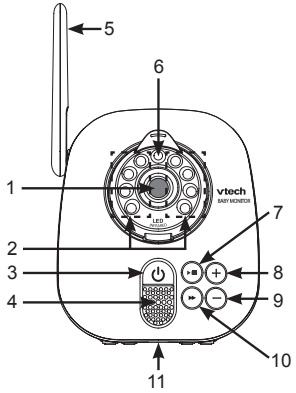
| Battery indicators | Battery status | Action |
|---|---|---|
| The battery icon is off and  displays. | No battery is installed but operates using AC power, or the battery has been installed incorrectly. | Install the parent unit battery. Charge without interruption **(at least 30 minutes).** |
| The screen displays **Battery low at Parent Unit** and . The  light flashes. | The battery has very little charge and may be used for only a short time. | Charge without interruption (about 30 minutes). |
| The battery icon becomes solid . | The battery is fully charged. | To keep the battery charged, connect it to AC power when not in use. |

***NOTE***

When you charge the battery initially or it is not used for a long period of time, charge it for 12 hours continuously. It takes longer to charge the battery when the parent unit is turned on. To shorten the charging time, turn the parent unit off while charging.

# 3. GET TO KNOW THE BABY MONITOR

## 3.1 Baby unit overview




**1 – Camera**

**2 – Infrared LEDs**

Backup light for night vision (page 32).

**3 – ⏻ (On/off)**

Press and hold to turn on or off (page 31).

**4 – Microphone**

**5 – Antenna**

**6 – Light sensor**

**7 – ▶/■ (Play/stop)**

Press to play lullabies (page 31).

Press to stop playing lullabies (page 31).

**8 – + (Volume up)**

Press to increase the listening volume (page 31).

**9 – – (Volume down)**

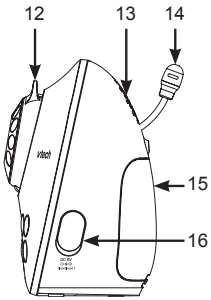
Press to decrease the listening volume (page 31).

**10 –(Skip)**

Press to skip to the next lullaby (page 31).

**11 – Threaded socket (1/4 in)**

For installation of the provided wall mount (page 7) or a tripod (not provided).




**12 – Camera angle adjustment tab Tilt to adjust camera angle.**

**13 – Speaker**

To listen to lullabies.

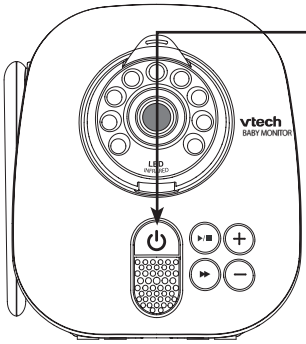
To listen to broadcasts from the parent unit.

**14 – Temperature sensor**

**15 – Battery compartment cover**

**16 – Power jack**

## 3.2 Baby unit lights




**⏻ (On/off)**

On in red when the baby unit is powered by batteries.

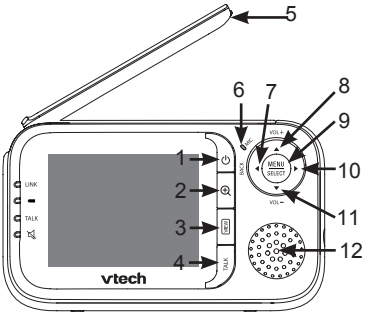
On in green when the baby unit is powered by AC power.

On in orange when the baby unit is not paired to the parent unit.

Flashes in red when the baby unit battery is low.

Flashes alternately in red and green when the baby unit is in pairing mode.

## 3.3 Parent unit overview




**1 – ⏻ (On/off)**

Press and hold to turn on or off (page 33).

**2 – ⊕ (Zoom)**

While viewing in single-CAM mode, press to zoom in or out (page 33).

**3 – ▭ (View)**

Press repeatedly to view an individual camera or all cameras at the same time (page 34).

Press and hold to turn off the screen, or press to turn it on (page 34).

**4 – TALK**

While viewing in single-CAM mode,
press and hold to talk to the selected baby unit (page 33).

**5 – Antenna**

**6 – MIC (Microphone)**

**7 – ◀ /BACK**

While in a menu, press to return to the previous menu (page 24).

While viewing in ⊕ mode, press to move leftward (page 33).

While viewing in multi-CAM mode, press to move left or right to highlight a desired camera (page 33).

**8 – ▲/VOL+**

Press to increase the speaker volume (page 33).

While in a menu, press to scroll up.

While viewing in ⊕ mode, press to move upward (page 33).

While viewing in multi-CAM

mode, press to scroll up or down to highlight a desired camera (page 33).

**9 – M**

Press to enter the menu (page 24).

While in a menu, press to choose an item, or save a setting (page 24).

While viewing in multi-CAM mode, press to select a desired camera.

**10 – ▶**

While viewing in ⊕ mode, press to move rightward (page 33).

While in a menu, press to choose an item (page 24).

While viewing in multi-CAM mode, press to move right or left to highlight a desired camera.

**11 – ▼/VOL–**

Press to decrease the speaker volume (page 33).

While in a menu, press to scroll down.

While viewing in ⊕ mode, press to move downward (page 33).

While viewing in multi-CAM mode, press to scroll up or down to highlight a desired camera (page 33).

**12 – Speaker**

To listen to sounds transmitted from the baby units.

## 3.4 Parent unit lights

| | |
|---|---|
| **LINK** | On when strong signal strength is detected between the parent unit and the selected baby unit.<br>Flashes when the parent unit cannot link to the selected baby unit.<br>Off when the parent unit is turned off. |
| | On when the parent unit battery is being charged.<br>Flashes when the parent unit battery is low and needs charging.<br>Off when the parent unit battery is fully charged, or when no battery is installed. |
| **TALK** | On when the parent unit is talking to the baby unit. |
| | On when the parent unit is in multi-CAM mode.<br>On when the speaker volume of the selected baby unit is turned off. |

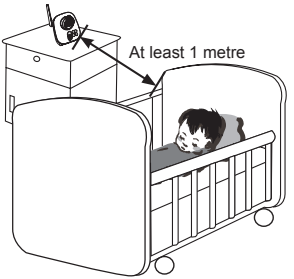
## 3.5 Parent unit display screen icons

| | |
|---|---|
| | **Connection status**<br>- displays when strong signal strength is detected between the baby unit and the parent unit.<br>- or displays when moderate signal strength is detected between the baby unit and the parent unit.<br>- displays when the link between the baby unit and the parent unit is lost. |
| | **Zoom**<br>- Displays when the camera at the selected baby unit has zoomed in. |
| | **Lullaby**<br>- Displays when a lullaby is playing at the selected baby unit. |
| | **Temperature alert**<br>- Displays when the temperature alert is set to on. |
| 20 °C | **Real-time temperature**<br>- Displays the real-time temperature of the selected baby unit. |
| | **Sound level indicators**<br>- Displays the sound level according to the scales of loudness when there is sound transmitted from the baby unit.<br>**Speaker volume**<br>- Displays the speaker volume level while adjusting. |
| **CAM 1** or<br>**CAM 2** or<br>**CAM 3** or<br>**CAM 4** | **Current view status**<br>- Displays the number of the baby unit that is being viewed when in single-CAM mode.<br>- Displays the highlighted baby unit when in multi-CAM mode. |
| | **Battery status**<br>- animates when the battery is charging.<br>- displays solid when the battery is fully charged.<br>- displays when the battery is low and needs charging.<br>- displays when no battery is installed but operates using AC power, or the battery has been installed incorrectly. |

## 3.6 Positioning and operating range

### 3.6.1 Position the video and audio monitor

Place the parent unit within the operating range (see below) of the baby unit. We recommend the parent unit is at least 1 metre away from the baby unit to avoid audio feedback. If you still experience audio feedback, move the parent unit and the baby unit farther apart. Place the baby unit at least 1 metre away from the baby or crib.




***NOTES***

- For better image quality, do not place the baby unit too far away from your baby.
- It is the caregiver's responsibility to stay close enough to take care of any eventuality.

### 3.6.2 Audio settings

The baby unit may not detect sounds when the sensitivity level is set below a certain level. You may need to increase the sensitivity level (see page 25).

You may need to turn the speaker volume louder on the parent unit to hear the sounds transmitted from the baby unit (see page 33).

### 3.6.3 Test your video and audio monitor before use

It is important to test the video and audio monitor when it is installed initially, and at regular times thereafter. Test your parent unit and baby units if they have not been used for a long time or you suspect they are defective.

**To test your video and audio monitor:**

1. Place the parent unit and the baby units in the same room to test the product. Make sure the baby units are at least 1 metre away from the parent unit.
2. Press and hold ⏻ on the baby units until the ⏻ (on/off) lights turn on.
3. Press and hold ⏻ on the parent unit until the screen displays **Waiting for linking ...**
4. Press ▭ repeatedly on the parent unit to view images from all baby units. If you have only one baby unit, the parent unit displays an image from the baby unit. Your video and audio monitor is now ready for use.

***NOTE***

If no connection can be established, the parent unit displays **No link to CAM #** for a few seconds. Then it displays **Waiting for linking ...** and 📡.

# 4. USING YOUR BABY MONITOR

## 4.1 Parent unit settings

**To enter the parent unit menu:**

1. Press **M** when the parent unit is not in use.
2. Press ▼ or ▲ until the desired feature is highlighted on the left side. Press **M** or ▶ to enter that feature menu.
3. Press ▼ or ▲ until the desired feature or option is highlighted on the right side. Press **M** or ▶ to enter that feature menu, or press **M** to confirm your selection. You hear a confirmation tone.

***NOTE***

To return to the previous menu, press ◀**/BACK**.

## 4.2 Alert tone

### 4.2.1 Low battery tone alert

You can set whether the parent unit beeps whenever the parent unit or the baby unit operates in low battery condition. The low battery tone alert is preset to **On**.

**To set the low battery tone alert:**

1. Press **M** when the parent unit is not in use.
2. Press ▼ or ▲ to choose **ALERT TONE**, then press **M** or ▶.
3. Press **M** or ▶ again to choose **Low Battery Tone**.
4. Press ▼ or ▲ to choose **On** or **Off**, then press **M** to confirm your selection. You hear a confirmation tone.

***NOTE***

The low battery tone alert of the baby unit only works while viewing that particular baby unit in single-CAM mode or in multi-CAM mode.

### 4.2.2 No link alert

You can set whether the parent unit beeps whenever the link between the parent unit and the baby unit is lost. The no link alert is preset to **On**.

**To set the no link alert of the parent unit:**

1. Press **M** when the parent unit is not in use.

2. Press ▼ or ▲ to choose **ALERT TONE**, then press **M** or ▶.
3. Press ▼ or ▲ to choose **No Link Alert**, then press **M** or ▶.
4. Press ▼ or ▲ to choose **On** or **Off**, then press **M** to confirm your selection. You hear a confirmation tone.

***NOTE***

The no link alert only works while viewing that particular baby unit in single-CAM mode or in multi-CAM mode.

## 4.3 Sensitivity

You can use the parent unit to change the sound sensitivity level of the baby units from **Level 1** to **Level 5 (Maximum)**. The higher the sound sensitivity level is set, the more sensitive the baby unit is in detecting sounds for transmitting to the parent unit. The sensitivity level is preset to **Level 3**.

If you want the baby unit to be very sensitive in detecting sounds, you may set the sensitivity level to **Level 5 (Maximum)**, so that the baby unit will always detect any sounds including background noises for transmitting to the parent unit. If you want the baby unit to be less sensitive in detecting sounds, you may set the sensitivity level to a lower level (**Level 1** to **Level 4**), so that the baby unit will transmit sounds to the parent unit only when your baby is very noisy or crying loudly.

**To set the sound sensitivity level of the baby unit:**

1. Press **M** when the parent unit is not in use.
2. Press ▼ or ▲ to choose **SENSITIVITY**, then press **M** or ▶.
3. Press ▼ or ▲ to choose a desired baby unit or all baby units, then press **M** or ▶.
4. Press ▼ or ▲ to scroll through the choices, then press **M** to confirm your selection. You hear a confirmation tone.

***NOTE***

To enter the sensitivity menu of the parent unit, the baby units must be turned on.

## 4.4 Temperature

### 4.4.1 Minimum temperature

You can set the desired minimum room temperature of the baby unit. The minimum temperature can be set between **11 °C** and **20 °C**. The minimum temperature is preset to **14 °C**.

**To set the minimum temperature of the baby unit:**

1. Press **M** when the parent unit is not in use.
2. Press ▼ or ▲ to choose **TEMPERATURE**, then press **M** or ▶.
3. Press **M** or ▶ again to choose **Minimum**.
4. Press ▼ or ▲ to choose a desired baby unit or all baby units, then press **M** or ▶.
5. Press ▼ or ▲ to choose the desired temperature, then press **M** to confirm your selection. You hear a confirmation tone.

### 4.4.2 Maximum temperature

You can set the desired maximum room temperature of the baby unit. The maximum temperature can be set between **21 °C** and **30 °C**. The maximum temperature is preset to **30 °C**.

**To set the maximum temperature of the baby unit:**

1. Press **M** when the parent unit is not in use.
2. Press ▼ or ▲ to choose **TEMPERATURE**, then press **M** or ▶.
3. Press ▼ or ▲ to choose **Maximum**, then press **M** or ▶.
4. Press ▼ or ▲ to choose a desired baby unit or all baby units, then press **M** or ▶.
5. Press ▼ or ▲ to choose the desired temperature, then press **M** to confirm your selection. You hear a confirmation tone.

### 4.4.3 Temperature alert

You can set whether the parent unit beeps whenever the temperature is out of the preset temperature range. The temperature alert is preset to **Off**.

**To set the temperature alert of the baby unit:**

1. Press **M** when the parent unit is not in use.
2. Press ▼ or ▲ to choose **TEMPERATURE**, then press **M** or ▶.
3. Press ▼ or ▲ to choose **Alert**, then press **M** or ▶.
4. Press ▼ or ▲ to choose a desired baby unit or all baby units, then press **M** or ▶.
5. Press ▼ or ▲ to choose **On** or **Off**, then press **M** to confirm your selection. You hear a confirmation tone.

### 4.4.4 Temperature format

You can set the temperature scale of the baby unit. The temperature scale is preset to **Fahrenheit**.

**To change the temperature scale:**

1. Press **M** when the parent unit is not in use.
2. Press ▼ or ▲ to choose **TEMPERATURE**, then press **M** or ▶.
3. Press ▼ or ▲ to choose **Format**, then press **M** or ▶.
4. Press ▼ or ▲ to choose **Fahrenheit** or **Celsius**, then press **M** to confirm your selection. You hear a confirmation tone.

## 4.5 Vibration

You can set the parent unit to vibrate once whenever there is any sound detected from the baby units. The vibration mode will only be enabled again after 20 seconds of silence. The vibration setting is preset to **On if speaker is off**.

**To change the vibration setting:**

1. Press **M** when the parent unit is not in use.
2. Press ▼ or ▲ to choose **VIBRATION**, then press **M** or ▶.
3. Press ▼ or ▲ to choose **On if speaker is off**, **Always on** or **Off**.
   - On if speaker is off - The parent unit vibrates once whenever the baby units detect sounds after 20 seconds of silence while the speaker of the parent unit is turned off.
   - Always on - The parent unit vibrates once whenever the baby units detect sounds after 20 seconds of silence.
   - Off - The parent unit will not vibrate even if the baby units detect sounds.
4. Press **M** to confirm your selection. You hear a confirmation tone.

***NOTES***

- If you set the sensitivity level to **Level 5 (Maximum)** (see page 25), the baby unit will be very sensitive and detect any sounds including background noises. These background noises may disrupt the silence and prevent the vibration feature to work properly.
- If you set the vibration setting to **On if speaker off** or **Always on**, the parent unit will vibrate once when you turn the speaker off.

## 4.6 Sound-activated screen

When the parent unit screen is turned off manually (see page 34), you can set the screen to be turned on automatically whenever there are sounds detected from the baby units after 20 seconds of silence. The parent unit screen will turn off automatically when no sounds are detected from the baby units within 50 seconds. The sound-activated screen is preset to **Off**.

**To turn the sound-activated screen on or off:**

1. Press **M** when the parent unit is not in use.
2. Press ▼ or ▲ to choose **SOUND-ACTIVATED SCREEN**, then press **M** or ▶.
3. Press ▼ or ▲ to choose **On** or **Off**, then press **M** to confirm your selection. You hear a confirmation tone.

***NOTES***

- If you set the sensitivity level to **Level 5 (Maximum)** (see page 25), the baby unit will be very sensitive and detect any sounds including background noises. These background noises may disrupt the silence and prevent the sound-activated screen feature to work properly.
- The parent unit will turn on only if the sounds detected are from the last viewed camera.

## 4.7 LDC brightness

You can change the brightness of the parent unit screen from **Level 1** to **Level 5**. The LCD brightness is preset to **Level 3**.

**To set the brightness of the parent unit screen:**

1. Press **M** when the parent unit is not in use.
2. Press ▼ or ▲ to choose **LCD BRIGHTNESS**, then press **M** or ▶.
3. Press ▼ or ▲ to choose the desired brightness.
4. Press **M** to confirm your selection. You hear a confirmation tone.

## 4.8 Pair/ unpair CAM

### 4.8.1 Pair new CAM

The baby units and parent unit provided are already paired. If you want to replace an old baby unit, the new baby unit must be paired to the parent unit before use.
Make sure you power on the baby unit (see page 31) and the parent unit (see page 33) before pairing.

**To pair a baby unit:**

1. On the idle parent unit, press **M**.
2. Press ▼ or ▲ to choose **PAIR/UNPAIR CAM**, then press **M** or ▶.
3. Press **M** or ▶ again to choose **Pair new CAM**.
4. Press ▼ or ▲ to choose a desired baby unit slot, then press **M**.
   If you choose an occupied baby unit slot, the new baby unit will replace the existing baby unit.
5. Make sure the new baby unit is turned on. On the new baby unit, immediately press and hold **+** and **-** for 5 seconds when the parent unit screen displays **Please press both [+] and [–] keys on CAM side until POWER indicator flashes Red and Green light**. The ⏻ light on the new baby unit flashes red and green alternately.
6. When pairing is successful, the screen displays the image from the newly paired baby unit. The ⏻ light on the new baby unit turns red when it is powered by AA batteries or turns green when it is powered by AC power.

***NOTES***

- If pairing fails, the screen displays **Pairing failed**. Try the pairing process again.
- Only one baby unit can be paired at a time.

### 4.8.2 Unpair CAM

Make sure you power on the baby unit and the parent unit before unpairing the baby unit.

**To unpair a baby unit:**

1. On the idle parent unit, press **M**.
2. Press ▼ or ▲ to choose **PAIR/UNPAIR CAM**, then press **M** or ▶.

3. Press ▼ or ▲ to choose **Unpair CAM**, then press **M** or ▶.
4. Press ▼ or ▲ to choose a desired baby unit, then press **M**.
5. Press ⊕ when the screen displays **To unpair CAM # from the system, press [zoom] key**.
6. Press **M** when the screen displays **Press [M] key to confirm**.
7. When unpairing is successful, the screen displays the image of the next paired baby unit. If there is no paired baby unit, the screen displays **No CAM paired**.

## 4.9 Language

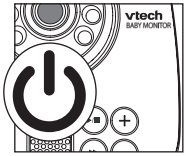
You can select a language (**English**, **French** or **Spanish**) to be used in all screen displays. The screen display language is preset to **English**.

**To change the language:**

1. Press **M** when the parent unit is not in use.
2. Press ▼ or ▲ to choose **LANGUAGE** (**LANGAGE** if French is set, or **IDIOMA** if Spanish is set), then press **M** or ▶.
3. Press ▼ or ▲ to choose **English**, **Français** or **Español**, then press **M** to confirm your selection. You hear a confirmation tone.

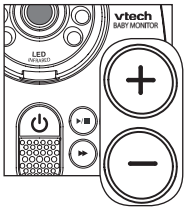
# 5. BABY UNIT OPERATION

## 5.1 Power the baby unit on or off




- Press and hold ⏻ for 2 seconds to turn on the baby unit. The Power indicator light flashes once and turns on.
- Press and hold ⏻ for 2 seconds to turn off the baby unit. The Power indicator light turns off.

## 5.2 Speaker volume

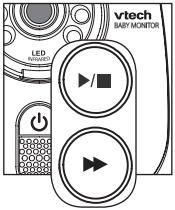



You can change the speaker volume from **Level 1** to **Level 5**. The preset volume is **Level 3**. Changing the speaker volume also changes the lullaby playback volume.

**To adjust the speaker volume:**

Press + or – on the baby unit at any time..

## 5.3 Play lullabies




There are 5 lullabies to choose from, and the chosen lullaby plays repeatedly. The total duration of lullaby playback is about 20 minutes and it starts from where you stopped last time.

### 5.3.1 To play lullabies:

- Press ▶/■ on the baby unit.

### 5.3.2 To skip to the next lullaby:

- Press ▶▶ on the baby unit to skip to the next lullaby.

### 5.3.3 To stop playing lullabies:

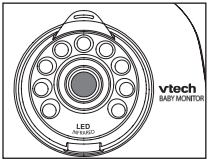
- Press ▶/■ on the baby unit to stop.

***NOTE***

Lullaby playback is paused when the parent unit is talking to the baby unit. Lullaby playback resumes when the parent unit finishes using the **TALK** feature.

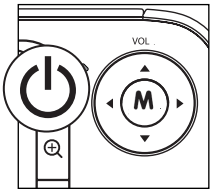
## 5.4 Night vision

To help you monitor your baby even at night, the baby unit automatically uses the light from its infrared LEDs for transmitting images to the parent unit when it is turned on in a dark room. However, it only transmits black-and-white images.



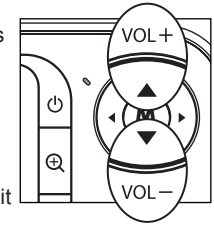
# 6. PARENT UNIT OPERATION

## 6.1 Power the parent unit on or off




- Press and hold ⏻ for 2 seconds to turn on the parent unit. The display screen turns on.
- Press and hold ⏻ for 2 seconds again to turn off the parent unit. The display screen turns off.

## 6.2 Speaker volume




You can change the speaker volume from **Volume 1** to **Volume 7**, or turn it off. The speaker volume is preset to **Volume 4**.

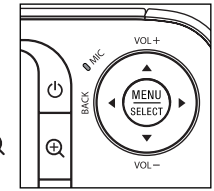
When the speaker volume is set to off, 🔇 appears briefly and the 🔇 light turns on.

**To adjust the speaker volume:**

- Press **▲/VOL+** or **▼/VOL−** when the parent unit is not in use.

## 6.3 Zoom

You can zoom in or out while viewing images from any baby unit.



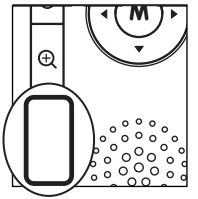

### 6.3.1 To zoom in or out while in single-CAM mode:

- Press ⊕ to zoom in. Press ▲, ▼, ◀ or ▶ to move the zoomed image upward, downward, leftward or rightward correspondingly. Press ⊕ again to zoom out.

### 6.3.2 To zoom in or out while in multi-CAM mode:

- Press ▲, ▼, ◀ or ▶ to choose the desired baby unit, then press ⊕ or **M**. Press ⊕ again to zoom in. Press ▲, ▼, ◀ or ▶ to move the zoomed image upward, downward, leftward or rightward correspondingly. Press ⊕ again to zoom out.

## 6.4 View




You can change the screen to view images from different baby units, or you can turn off the screen.

**To view different baby units:**

Press ▭ to scroll to the desired baby units. They are shown in chronological order: **CAM 1**, **CAM 2**, **CAM 3**, **CAM 4** and multi-CAM.

***NOTE***

When there is only one paired baby unit, multi-CAM mode is not available.

## 6.5 To turn the screen on or off

- Press and hold ▭ for 2 seconds to turn off the screen.
- When the screen is turned off, press any key to turn it on.

## 6.6 Talk to the baby unit

You can broadcast messages from the parent unit to any one of the baby units.

**To talk to the baby unit:**

1. Press ▭ to choose a desired baby unit.
2. Press and hold **TALK** when the parent unit is in single-CAM mode. Speak towards the **MIC** (microphone) on the parent unit. The **TALK** light is on when the voice connection to the baby unit is made. Your voice is broadcast to the baby unit.

***NOTES***

- The **TALK** feature does not work in multi-CAM mode.
- If the speaker volume of the parent unit is set to **OFF**, it will be reset to the default volume after you press and hold **TALK**.
- Lullaby playback is paused when the parent unit is talking the baby unit. Lullaby playback resumes when the parent unit finishes using the **TALK** feature.

# 7. TROUBLESHOOTING

If you have difficulty with your video and audio monitor, please try the suggestions below.

**My video and audio monitor does not work at all.**

- Make sure the baby units, parent unit and the batteries are installed and charged correctly (pages 5 to 15). For optimum daily performance, charge the parent unit when it is not in use.
- Make sure the power adapters are securely plugged into the outlet not controlled by a wall switch.
- Make sure the adapter cords are plugged firmly into the baby units and parent unit.
- Make sure the baby units and the parent unit are turned on.
- The parent unit may be too far away from the baby units. Move the parent unit closer to the baby units (but not less than 1 metre).
- Unplug the electrical power to the baby units and parent unit. Wait for approximately 15 seconds, then plug it back in. Turn on the baby units and the parent unit. Allow up to one minute for the baby units and the parent unit to synchronise.
- Install the correct type of batteries in the baby units and follow the proper polarity orientation between the battery and metallic contacts inside the battery compartment.
- Charge the battery in the parent unit for up to 12 hours.
- If the parent unit battery is completely depleted, it may take up to 30 minutes to charge the parent unit before it can be used for a short time (page 15).
- Remove the battery and then install it again. If that still does not work, it may be necessary to purchase new batteries.
- Large obstructions may impact the reception. Try to relocate the baby units, away from large obstructions such as walls and doors.
- Other electronic products may cause interference with your video and audio monitor. Try installing your video and audio monitor as far away from these electronic devices as possible: wireless routers, radios, cellular telephones, intercoms, room monitors, televisions, personal computers, kitchen appliances and cordless telephones.

**The video and audio monitor produces high-pitched noise.**

- The parent unit may be too close to the baby units. Make sure the parent unit and the baby units are at least 1 metre away from one another.
- You may be too close to the baby unit when you press and hold TALK. Make sure the parent unit and the baby units are at least 1 metre away from one another.
- You may have set the sensitivity level too high. You may need to adjust the sensitivity level to a lower level to avoid audio feedback (page 23).

**The parent unit plays any sounds from the baby unit and I think it is too noisy.**

- You may have set the sensitivity level to Level 5 (Maximum). If you do so, the baby unit will transmit any sounds detected to the parent unit. You may need to adjust the sensitivity level to a lower level (page 25).
- You may need to adjust the speaker volume on the parent unit (page 33).

**The parent unit does not play any sound when there is noise from the baby unit.**

- Make sure the parent unit is powered up by connecting it to AC power (page 12) or to the rechargeable battery provided (page 15).
- Make sure the parent unit is turned on (page 33) and the speaker volume is not set to off (page 33).
- Make sure the parent unit is not monitoring in multi-CAM mode.
- The parent unit may be too far away from the baby unit. Move the parent unit closer to the baby unit (but not less than 1 metre).
- If the parent unit is powered by the provided battery, make sure there is sufficient charge. Charge the battery in the parent unit for up to 12 hours.
- You may have set the sensitivity level to a very low level. If you do so, the baby unit will not detect sounds that is too soft or light. You may need to adjust the sensitivity level to a higher level (page 25).
- Large obstructions may impact the reception. Try to relocate the baby unit, away from large obstructions such as walls and doors.

- Remove the battery and then install it again. Turn on the baby unit and the parent unit. Allow up to one minute for the parent unit and the baby unit to synchronise.
- Other electronic products may cause interference with your video and audio monitor. Try installing your video and audio monitor as far away from these electronic devices as possible: wireless routers, radios, cellular telephones, intercoms, room monitors, televisions, personal computers, kitchen appliances and cordless telephones.

**Battery low at the Parent Unit and display on the parent unit.**

- Charge the battery in the parent unit for up to 12 hours.
- Remove the battery and then install it again. Use it until fully depleted, then recharge it in the parent unit for up to 12 hours.
- If the above measures do not correct the problem, replace the battery.

**The battery does not charge in the parent unit or the parent unit battery does not accept charge.**

- Make sure the battery is installed in the parent unit battery compartment correctly. The light on the parent unit should be on when charging.
- Remove the battery and then install it again, then charge for up to 12 hours.
- If the battery icon and the light on the parent unit are not on, refer to The light on the parent unit is off below.
- If the battery is completely depleted, it may take up to 30 minutes to charge the parent unit before it can be used for a short time (page 15).
- Purchase a new battery. Refer to Parent unit battery installation (pages 12-13) and Parent unit battery charging (page 15).

**The light on the parent unit is off.**

- Make sure the parent unit battery is installed (pages 12-13) and charged (page 15) correctly.
- The light is off when the battery is fully charged even if it is also powered by AC power.

**The parent unit beeps and is not performing normally.**

- Move the parent unit closer to the baby units (but not less than 1 metre). The parent unit may be out of range.
- If the parent unit is powered by the provided battery, it may not have enough charge for the parent unit to perform normally. Charge the battery in the parent unit for up to 12 hours.
- Reset the parent unit and the baby units by turning them off and unplugging the electrical power to the parent unit and the baby units. Wait for 15 seconds and plug them back in again. Turn on the parent unit and the baby units. Allow up to one minute for the parent unit and the baby units to synchronise.
- Other electronic products may cause interference with your video and audio monitor. Try installing your video and audio monitor as far away from these electronic devices as possible: wireless routers, radios, cellular telephones, intercoms, room monitors, televisions, personal computers, kitchen appliances and cordless telephones.

**The link between the baby unit and the parent unit is lost every now and then, and I'm experiencing sound interruptions.**

- Move the parent unit closer to the baby unit (but not less than 1 metre). The parent unit may be out of range.
- Reset the parent unit and the baby unit by turning them off unplugging the electrical power to the parent unit and the baby unit. Wait for 15 seconds and plug them back in again. Turn on the baby unit and the parent unit. Allow up to one minute for the parent unit and the baby units to synchronise.

**Common cure for electronic equipment.**

- If the video and audio monitor is not responding normally, try the following (in the order listed):
  1. Disconnect the power to the baby units and the parent unit.
  2. Remove the batteries in the baby units and the parent unit. Then install the batteries again.
  3. Wait a few minutes before connecting power back to the baby units and the parent unit.
  4. Turn on the baby units and the parent unit.
  5. Wait for the parent unit to synchronise with the baby units. Allow up to one minute for this to take place.

# 8. CARE AND MAINTENANCE INSTRUCTIONS

## Operating range

This baby unit and parent unit can communicate over only a certain distance - which can vary with the locations of the baby unit, the parent unit, the weather, and the layout of your home.

When the parent unit is out of range, the parent unit displays **Waiting for linking...**

To improve reception, move closer to the baby unit (but not less than 1 metre).

## Maintenance

### Taking care of your video and audio monitor

Your video and audio monitor contains sophisticated electronic parts, so it must be treated with care.

### Avoid rough treatment

Place the baby unit and parent unit down gently. Save the original packing materials to protect your video and audio monitor if you ever need to ship it.

### Avoid water

Your video and audio monitor can be damaged if it gets wet. Do not use the parent unit and/or baby unit outdoors in the rain, or handle it with wet hands. Do not install the video and audio monitor near a sink, bathtub or shower.

### Electrical storms

Electrical storms can sometimes cause power surges harmful to electronic equipment. For your own safety, take caution when using electrical appliances during storms.

**Cleaning your video and audio monitor**

Your video and audio monitor has a durable plastic casing that should retain its luster for many years. Clean it only with a soft cloth slightly dampened with water or mild soap. Do not use excess water or cleaning solvents of any kind.

Remember that electrical appliances can cause serious injury if used when you are wet or standing in water. If the baby units and/or parent unit should fall into water, DO NOT RETRIEVE IT UNTIL YOU UNPLUG THE POWER CORDS FROM THE WALL. Then pull the units out by the unplugged cords.

# 9. TECHNICAL SPECIFICATIONS

| | |
|---|---|
| **Frequency control** | Crystal controlled PLL synthesizer |
| **Transmit frequency** | Baby unit: 2405 - 2478.5 MHz<br>Parent unit: 2405 -2478.5 MHz |
| **Channels** | 50 |
| **LCD** | 2.8” Color LCD (QVGA 320x240 pixel) |
| **Nominal effective range** | Maximum power allowed by FCC and IC. Actual operating range may vary according to environmental conditions at the time of use. |
| **Power requirements** | **Electrical power:**<br>Baby unit: Ten Pao - S006MS0600080<br>Input: 100-240VAC 50/60Hz 300mA<br>Output: 6VDC 800mA<br>Parent unit: Ten Pao - S006MS0600080<br>Input 100-240VAC 50/60Hz 300mA<br>Output 6VDC 800mA<br><br>**Battery Information:**<br>Baby unit: AA Size 1.5V x 4 Alkaline battery<br>Parent unit: BYD - SCD530-1 3.7V 950mA<br>Lithium Polymer Rechargeable Battery Pack |

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